

## **ABSTRACT OF THE DISCLOSURE**

**An abrading machine braking system for use in braking a wheeled abrading machine having a rotating abrading tool used in abrading a surface. The abrading machine braking system uses two braking wheels that engage the surface of the wheels of the abrading machine and the braking wheels are fixed to the respective ends of a brake axle that is in turn coupled to a brake cylinder assembly. The brake cylinder assembly contains a plurality of steel discs that are keyed to a lengthwise slot in the brake axle so that the discs rotate with the axial. A plastic braking disc is located adjacent to one of the steel discs within the brake cylinder assembly and provides a braking force that is transmitted to the two brake wheels through the brake axle. A brake release handle is used to bring the braking wheels into contact with the wheels on the abrading machine and to remove them from contact with the abrading machine wheels.**